



## **Memorandum for Record**

**Fabian Salazar**  
**Air Safety Investigator**  
**National Transportation Safety Board**  
**Investigator in Charge**

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**NTSB Accident Number: WPR20LA238**  
**Aircraft Registration & Make/Model: N7677C / Piper PA-32R-300**  
**Accident Location: West Jordan, Utah**  
**Accident Date: July 25, 2020**

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A review of the airplane's maintenance logs revealed that the airplane engine underwent an annual inspection on October 18, 2019, at a tachometer time of 1567.4 hours, and a total time since overhaul of 451.0 hours. The last engine overhaul occurred on December 28, 2012, at an engine total time since new of 3059.9. See Figure 1 and 2.

Annual  
Oct 18, '819

DATE	TIME IN SERVICE	TOTAL TIME USED	HOURS RECORDED IN THIS LOG	PERFORMING WORK
10/18/19		451.0	1557.4	TOTALS brought forward from previous page
<p>Date: 10/18/2019 N7677C Piper PA-32H-300 Serial Number: 328-7680058            Engine Logbook: AFM-4435-2 Tach: 1567.4 Hobbs: 2919.9 Smoh: 451.0            Lycoming Model Number: IO-540-K1GSD serial Number: L-21528-48A</p> <p>Performed annual inspection in accordance with Far part 43 appendix (d) scope and detail of an annual / 100 hour inspection check list. Removed engine cowling. Ran up engine. Compressions as follows: 1) 72/80, 2) 72/80, 3) 72/80, 4) 72/80, 5) 72/80, 6) 71/80. Removed oil and filter. Removed all spark plugs. Removed all fuel injectors. Replaced oil with 12 qts of aero Shell 15 W 50 SAE and a CH48103-1 oil filter. Cleaned and inspected fuel injectors. Reinstalled fuel injectors. Cleaned, inspected and rotated all spark plugs. Reinstalled spark plugs. Removed rust and corrosion from engine. Primed and painted engine with Lycoming gray. Replaced misc fuel line clamps with new and new hardware. Made repair on left hand side rear engine baffle next to number 6 cylinder. Replaced with overhauled unit Chrysler alternator part number 365624 serial number C061081 under work order number 3771. Alternator overhaul by Falcon Aero under certificate number 62285298 dated Sept 18, 2019. Lubricated all engine control surfaces. Ran up and leak tested engine. No leaks found at this time. No defect noted at this time. Installed new air filter bracket part number BA-3. Reinstalled repainted lower engine cowling. Installed upper cowling. Checked Ad's thru this biweekly date. See Ad log for c/w and or next due if any. I certify that this engine on N7677C has been inspected in accordance with an annual inspection and has been returned into service in an airworthy condition at this time.</p> <p style="text-align: right;">[Redacted Signature]</p> <p style="text-align: right;">[Redacted Title]</p> <p style="text-align: center;">End</p>				
1-10-20		2944.8 Hobbs	475.9 Smoh	<p>Removed fuel pump. Installed overhauled fuel pump LW15773 SN 03EH02 per Piper Lycoming maintenance manuals. Run up engine and no leaks found and operation normal.</p> <p>[Redacted Signature]</p>
<p>SUB-TOTALS this page</p> <p>TOTALS-Carry forward to next page</p>				

Figure 1. Excerpt from the engine logbook, showing the last annual inspection.

Figure 2. Excerpt of the engine logbook, showing the last engine overhaul.